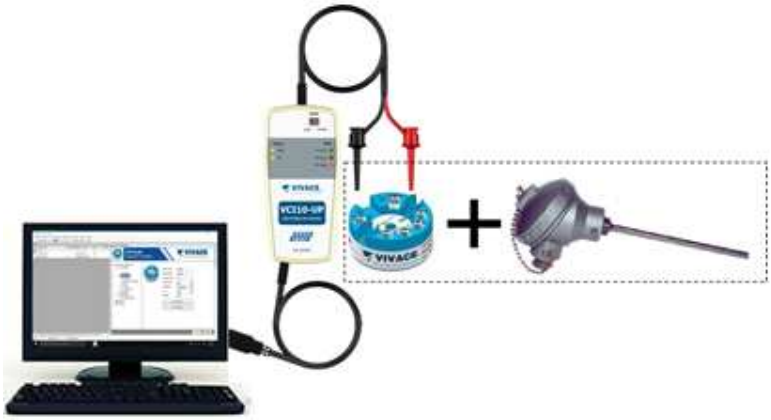
VIVACE™
Process Instruments
Exceeding Automation Limits

VCI10-UP

PROFIBUS-PA USB COMMUNICATION INTERFACE

- ✓ USB Type-A Standard Connection
- ✓ Powered by USB to Device: 21 Vdc ± 10%
- ✓ Indication LEDs for communication and diagnostics
- ✓ Local and Remote Multimaster Modes
- ✓ No Need for External Power Supply
- ✓ Easy Installation on Windows® and Linux®
- ✓ Compatible with any EDDL or FDT/DTM USB-based Tool
- ✓ PA-SNIFFER®
  Freeware Profibus-PA Frame Complete Analysis



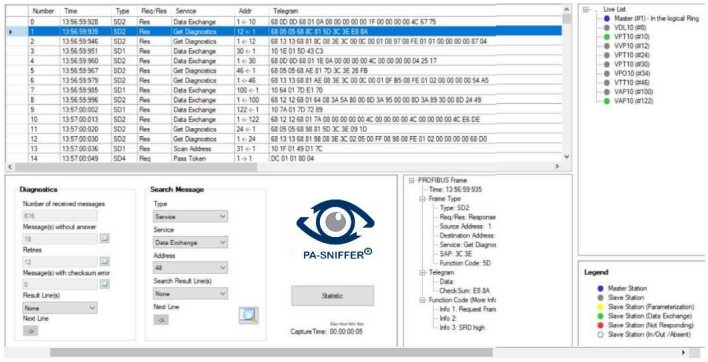
DESCRIPTION

VCI10-UP is a versatile device assembled to connect a workstation via its USB port (Universal Serial Bus) directly to the industry standard communication bus IEC-61158-2, PROFIBUS-PA. This creates a Human-Machine Interface (HMI) which allows an efficient real-time interaction with transmitters, sensors, actuators, converters and other field devices.

With its lean design, VCI10-UP becomes an indispensable ally for maintenance and comissioning staff. PROFIBUS-PA device calibration and parametrization have never been easier. It expedites the replacement tasks, parameterization and diagnosis of PROFIBUS PA devices.

VCI10-UP, in addition to allowing easy parameterization and calibration of PROFIBUS-PA equipment with FDT/DTM tools (eg PACTware, FieldCare, FieldMate etc.) also works as a message (frames) analyzer, using the PA-SNIFFER® tool.

VCI10-UP is used in many daily tasks. From the bench activities which task, that demands autonomous power supply to the instrument, to the remote connection in a running PROFIBUS network that demands multimaster capabilities.

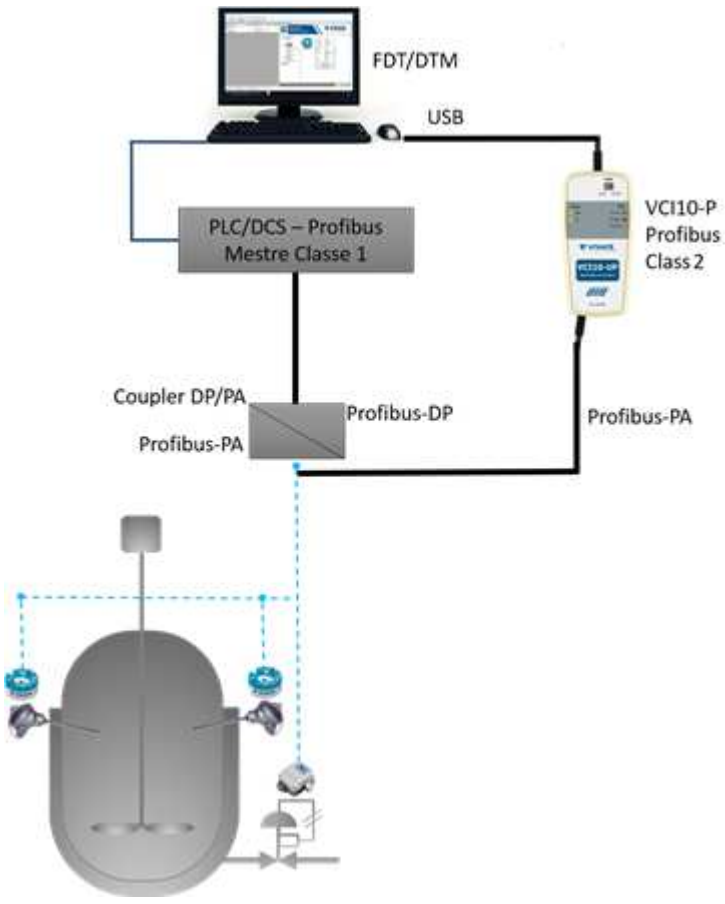


OPERATION MODE

LOCAL

When this mode is selected, VCI10-UP directly supply power to the PA device, so that it can be configured or parameterized. VCI10-UP is able to work even if the PA device is already energized by a PROFIBUS DP / PA coupler.

The DTM communication driver is provided with the product and can be obtained on www.vivaceinstruments.com.br. User can install it in any FDT frame application, for example, as PACTware® or any other configuration tool or asset management system that adopts this technology.



NETWORK (PA BUS)

By selecting "PA bus" operation mode, the VCI10-UP is able to communicate with a PROFIBUS-PA network that is already commissioned and energized. Furthermore, VCI10-UP is able to work with or without the main network controller. This is only possible thanks to the powerful processor inside VCI10-UP which acts as secondary master (Master Class2). VCI10-UP can be set in mono or multi-master PROFIBUS operation mode.

TECHNICAL AND PHYSICAL SPECIFICATIONS

Power Supply	5 Vdc (USB 1.1 and 2.0)
Output Voltage	19.5 Vdc (with load @ 20 mA); 21 Vdc (open circuit)
Communication Protocol	IEC 61158-2; 31.25 kbits/s
Hazardous Area Certification	Not Intrinsically Safe
Operational Temperature	0 to 50°C @10-90 RH (non-condensing)
FDT/DTM Compatibility	Yes
Operational System Compatibility	Win XP, Win 7, Win 8, Win 8.1 and Win 10 (32 / 64 bits)
Host and Profibus-PA Connection	USB Standard for HOST (1.0 m) and retractable hooks for PA side (1.0 m)
Electrical Insulation	Galvanic between USB and Profibus-PA
Dimension / Weight	135 x 65 x 25 mm / 70 g

*VCI10-UP is not certified for classified areas.
*DTM files are distributed by device manufacturers. Vivace only provides DTM files for Vivace equipments.

ORDERING CODE

VCI10 *Communication Interface*

Communication Type	**U**	USB
	A	ANDROID
	B	BLUETOOTH
Communication Protocol	**H**	HART
	P	PROFIBUS
Configuration Accessory	**0**	NO ACCESSORY
	1	REGULAR TABLET
	2	INDUSTRIAL TABLET

Ordering Code Example:

VCI10 - U P - 0

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